

WEEKLY CASE REPORT FOR EXTERNAL USE

MON APR 12 - SUN APR 18, 2021

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KEY TAKEAWAYS

- According to the [VDH Pandemic Metrics Dashboard](#), the Central Region is experiencing a high burden of cases and a substantial activity level, and now with an increasing trend in cases. As of April 19, the daily **case incidence rate** in Richmond was 17.0 cases per 100,000, the same as last week's rate. Looking at the average daily new case rate, cases in Richmond are fluctuating. Percent **positivity** for the locality is now 5.9% and also fluctuating. In Henrico, the daily case incidence rate is 20.0 cases per 100,000, an increase from 18.9 last week, though following a decreasing trend overall. Percent positivity for the locality is 6.2% and fluctuating.
- **Cases** in both districts are fluctuating slightly, though they have generally plateaued, following brief increases throughout the first two weeks of April. The 7-day average of VEDSS data by date indicates cases in Richmond are occurring at a rate of 39 new cases per day, after a peak at the end of March. In Henrico, the 7-day average number of new daily cases reported is 66.
 - Regarding **subgroups**, in both Richmond and Henrico, females comprise a higher proportion of cases, both cumulatively and in the past month. Also in both districts, 20-29 year olds continue to lead case counts, both cumulatively and in the last 4 weeks. Regarding race and ethnicity, in Richmond, the highest proportion of cases is still among Black individuals, with a notable discrepancy between the percentage of cases in the last 4 weeks, relative to the percentage of the city's population (59.5% of cases and 47.5% of the population). In Henrico, both cumulatively and in the last 4 weeks, the proportion of cases is highest among White individuals.
- Based on VEDSS data, **hospitalizations** among Richmond and Henrico residents are decreasing (see [VDH Dashboard](#) for additional trend data). Looking more broadly, hospitalizations at health systems within the Richmond catchment area appear to be plateauing. ICU hospitalizations and the use of ventilators at these hospitals have increased steadily over the last week, though all 11 hospitals in the Richmond catchment area are still operating at a normal clinical status. *Hospitalizations by subgroup (sex, age, and race) are reported on a monthly basis.*
- Current trends in **COVID-19 deaths** are decreasing overall, with a 7-day average of 1 in Henrico and less than 1 in Richmond according to the [VHD Dashboard](#). Please note that trends in death data are frequently impacted by a lag in reporting. *Deaths by subgroup (sex, age, and race) are reported on a monthly basis.*
- Richmond and Henrico Health Districts are currently in Phase 2 of **vaccination**. Everyone 16 and older is eligible to receive the vaccine. As of April 19, 2021, 40% of the region's population has received at least one dose of the vaccine. Around 26.3% of the region's population has been fully vaccinated. Approximately 39% of Richmond and Henrico's combined population has received at least one dose. 25% of the two districts combined population has been fully vaccinated. The majority of vaccine recipients in both districts have been female. The highest counts of vaccine recipients have been among 30-39 year olds in Richmond and 60-69 year olds in Henrico. Available data indicate that eligible White individuals have received the majority of the vaccine in both districts, but a large percentage of the recipients' race/ethnicity is still unreported.

1.0 COVID-19 SNAP SHOT

1.1 CONFIRMED CASES, HOSPITALIZATIONS, FATALITIES, AND PROBABLE CASES BY COUNTY

CASE STATUS	RICHMOND CITY	HENRICO COUNTY	VIRGINIA
New cases this week (April 19)	272	462	10249
All cases	16503	24440	647111
Confirmed cases	13553	17965	503725
Hospitalizations	751	970	26236
Deaths	220	523	8893
Probable cases	2950	6475	143386
Hospitalizations	20	39	1442
Deaths	36	70	1702
Case rate per 100,000	7161.6	7387.7	7581.4

Weekly cases added are estimated as the difference between the cases recorded from the current and prior week

*Case Rate per 100,000=(confirmed+probable)/population count *100,000.*

Population estimates for the case rate are the most recent as of July 1, 2019 from the [U.S Census Bureau QuickFacts](#)

1.2 CURRENT COVID-19 HOSPITALIZATIONS IN THE RICHMOND CATCHMENT AREA ON APRIL 19, 2021

The data included in this section comes from VHASS and it includes data from the following hospitals: VCU Health System, Retreat Doctors', Bon Secours Community, CWJ Chippenham, CWJ Johnson Willis, VA Medical Center, Bon Secours St. Mary's, Henrico Doctors, and Parham Doctors, Bon Secours St. Francis, and Memorial Regional Medical Center.

	TOTAL IN USE FOR COVID-19	CURRENTLY AVAILABLE
Confirmed Hospitalizations	173	108
Pending Hospitalizations	12	
Confirmed - ICU	50	23
Pending - ICU	*	
Confirmed - Ventilators	25	463
Pending - Ventilators	*	

*Counts <5 have been suppressed

Within these 11 hospitals that comprise the Richmond catchment area, there are currently 23 available adult ICU beds, and 460 available ventilators. Based on the VHASS hospital dashboard on April 12, 2021, all 11 hospitals are operating at normal clinical status.**

**A clinical status of "normal" indicates that hospital clinical resources are operating within normal conditions. A clinical status of "full" indicates that hospital clinical resources are exceeded and acceptable care cannot be provided to additional patients. Diversion or Community surge response is required.

2.0 COVID-19 TESTING ENCOUNTERS AND POSITIVITY

2.1 TESTING SUMMARY

Total tests by testing modality and the associated 7-day average in percent positivity are summarized in the table below. Data are from from the [VDH public dashboard](#) on April 18, 2021.

	RICHMOND CITY		HENRICO COUNTY	
	Tests	Positivity	Tests	Positivity
PCR*	237,942	6.2%	345,335	6.2%
Antigen	41,319	7.7%	89,243	9.4%
Total (PCR, antigen, and antibody)	283,675	6.5%	443,506	7.2%

*All testing metrics included in previous reports have been based on PCR tests

3.0 COVID-19 CASES

3.1 SUMMARY OF CASES

Cases

Cases in both districts are fluctuating slightly, though they have generally plateaued , following brief increases throughout the first two weeks of April. The 7-day average of VEDSS data by date indicates cases in Richmond are occurring at a rate of 39 new cases per day, after a peak at the end of March. In Henrico, the 7-day average number of new daily cases reported is 66.

Case Demographics

In both Richmond and Henrico, females comprise a higher proportion of cases, both cumulatively and in the past month. Also in both districts, 20-29 year olds continue to lead case counts, both cumulatively and in the last 4 weeks. Regarding race and ethnicity, in Richmond, the highest proportion of cases is still among Black individuals, with a notable discrepancy between the percentage of cases in the last 4 weeks, relative to the percentage of the city's population (59.5% of cases and 47.5% of the population). In Henrico, both cumulatively and in the last 4 weeks, the proportion of cases is highest among White individuals.

3.2 CASE REPORTS TRENDS BY DATE (SOURCE-VDH WEBSITE)

The report date corresponds to the date the case count was reported publicly. The report date does not have any equivalent variable in VEDSS, and cannot be directly linked to case-specific dates (e.g., event dates or lab report dates). Case counts by report date are estimated by subtracting the cumulative cases on the previous day from that of the current day. The 7-day moving average is a recurrent average of the number of cases for each 7-day data sequence.

Number of New Cases Reported [^]	7-Day Average Number of Daily New Cases Reported	7-Day Average Number of New Daily Cases Reported, Rate per 100,000 Population	Total Number of New Cases per 100,000 Population within last 14 days
38	39	17.0	237.8

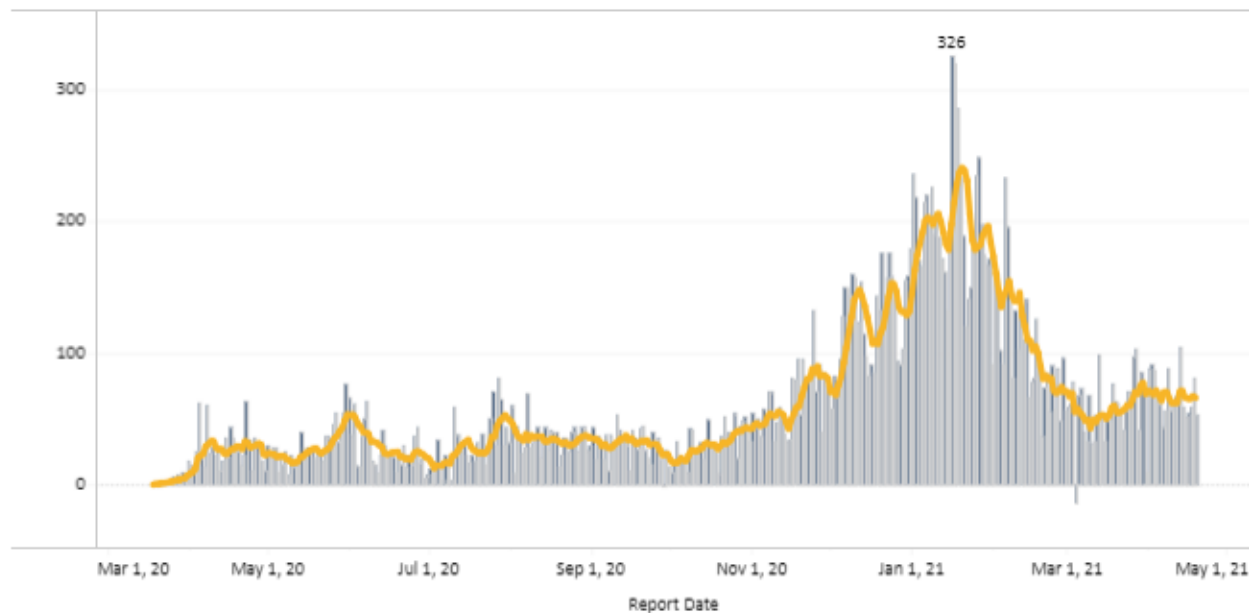
Report Date Daily Cases Counts - Richmond City



- In Richmond, the 7-day average number of daily new cases reported this week appears to be plateauing following a sharp decrease from January until mid March, and a subsequent increase during the first two weeks of April. A total of 38 new cases were reported on April 19, 2021, as compared to the 30 new cases reported this time last week. The 7-day average of new daily cases is 39.

Number of New Cases Reported [^]	7-Day Average Number of Daily New Cases Reported	7-Day Average Number of New Daily Cases Reported, Rate per 100,000 Population	Total Number of New Cases per 100,000 Population within last 14 days
53	66	20.0	272.4

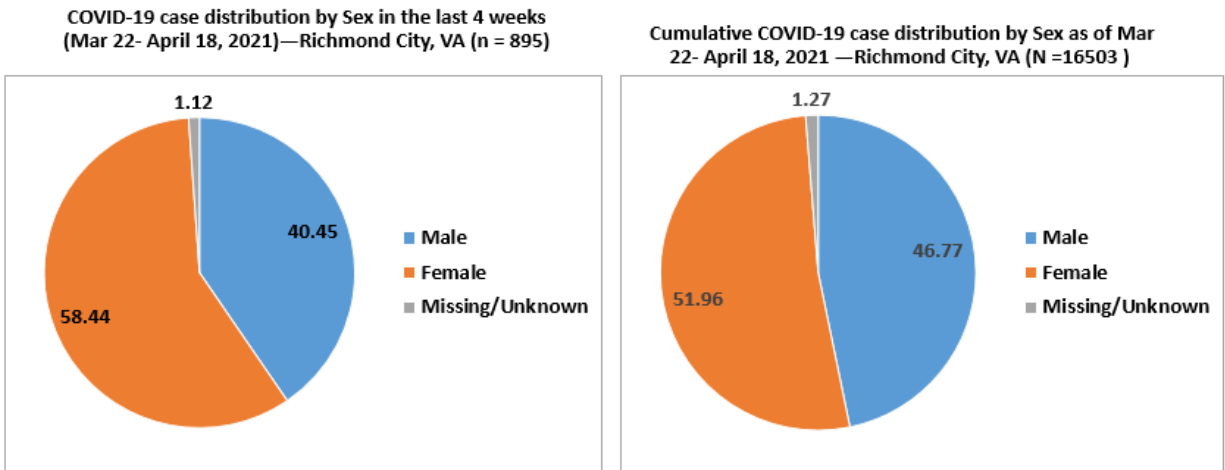
Report Date Daily Cases Counts - Henrico



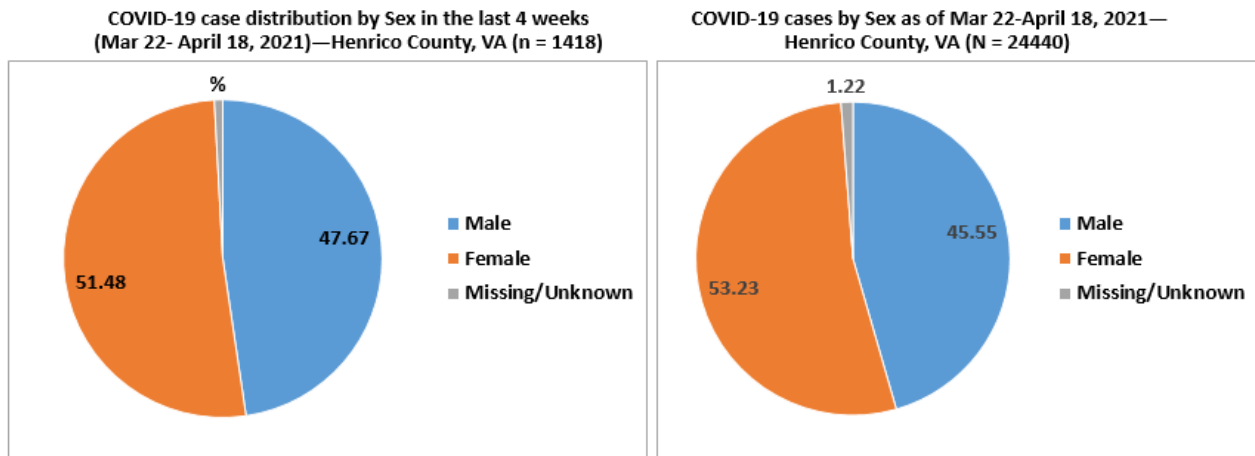
- In Henrico, new cases reported per day also appear to be plateauing, and potentially decreasing. A total of 53 new cases were reported on April 19, 2021, as compared to the 61 reported on April 12, 2021. The 7-day average number of cases reported daily in Henrico County is 66.

3.3 CASES BY SEX BY COUNTY

All percentages are based on overall case distribution, rather than the proportion of known cases for each measure, and therefore may not correspond directly with VDH percentages.

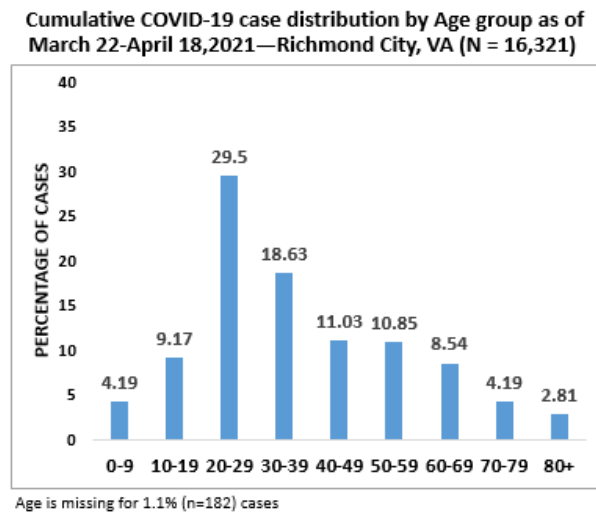
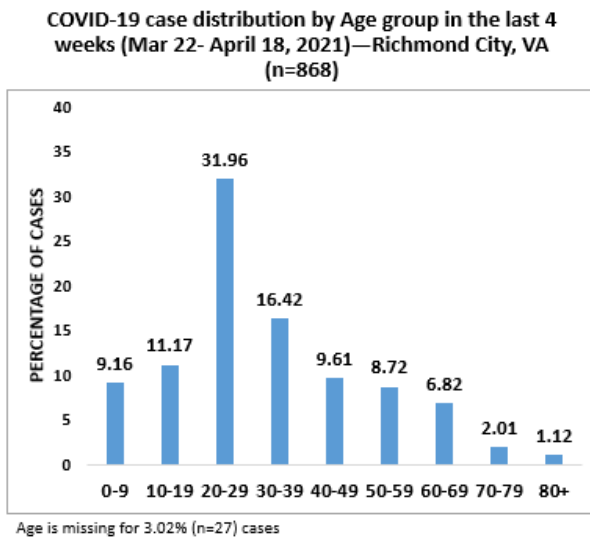


- In Richmond, females comprise a higher proportion of cases relative to males, both in the last 4 weeks (58.44% vs 40.45%) and cumulatively (51.96% vs 46.77%).

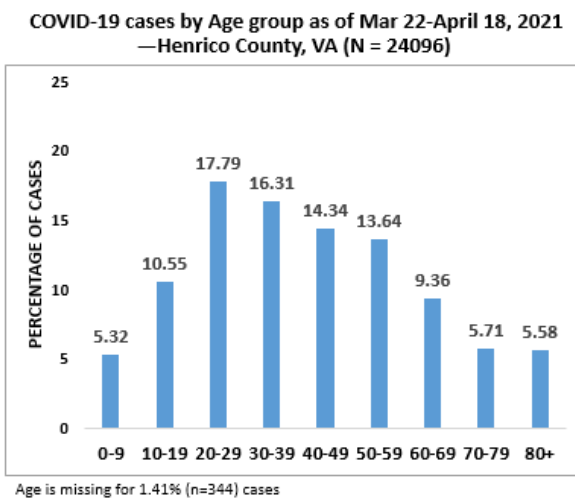
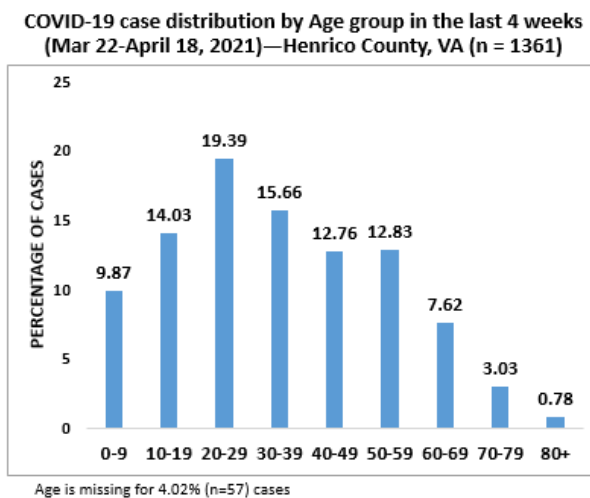


- In Henrico, females comprise a higher proportion of cases relative to males both in the last 4 weeks (51.48% vs 47.67%) as well as cumulatively (53.23% vs 45.55%).

3.4 CASES BY AGE GROUP BY COUNTY



- In Richmond City, individuals aged 20-29 still comprise the highest number of cases in the last four weeks (31.96%) , followed by individuals aged 30-39 years (16.42%). Cumulatively, 20-29 year olds comprise a noticeable majority of cases.

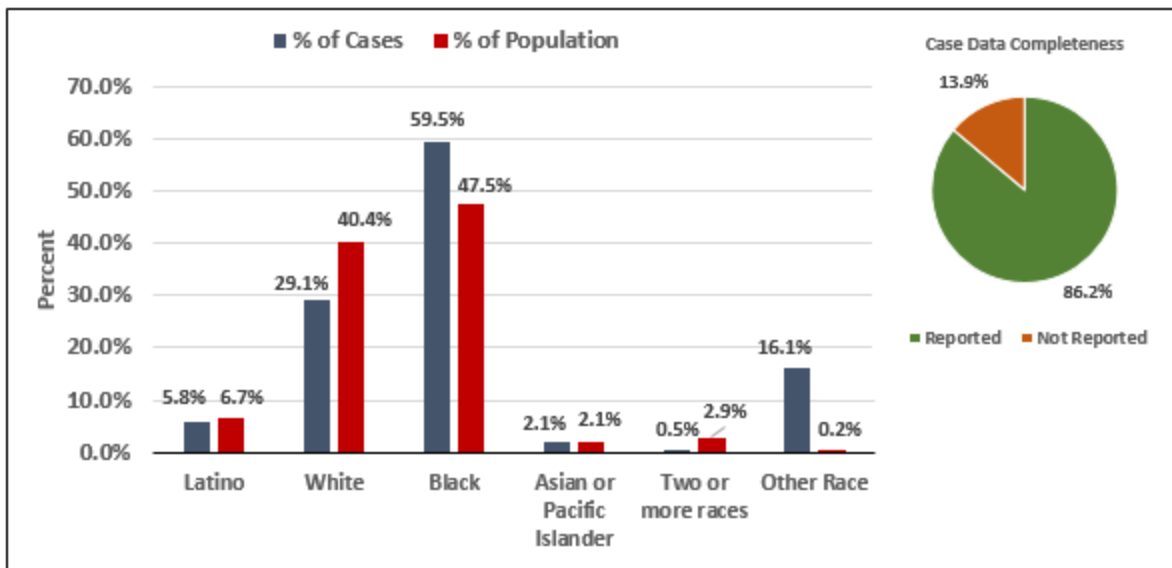


- In Henrico, individuals aged 20-29 comprise the highest percentage of cases (19.39%) followed by individuals aged 30-39 (15.66%), over the last four weeks. Cumulatively, individuals aged 20-29 comprise the highest percentage of cases (17.79%) and individuals aged 30-39 comprise the second highest percentage of cases (16.31%).

3.5 CASES AND POPULATION PROPORTIONS BY RACE AND ETHNICITY BY COUNTY

Population estimates for the Race and Ethnicity subgroup analyses are from the [2018 ACS 5-year estimates](#).

**COVID-19 case distribution by Race and Ethnicity in the last 4 weeks
(March 22 - April 18, 2021) – Richmond City, VA (n = 771)**

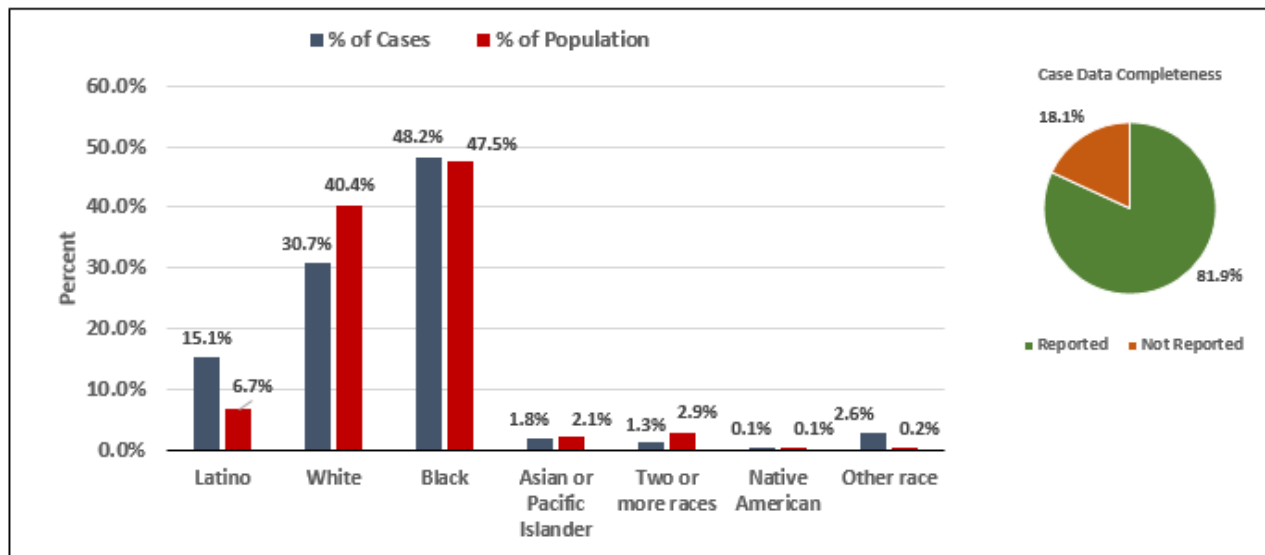


*For race/ethnicity identification among cases, "Not Reported" comprises 13.85% (n=124).

*Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity

*Cases among Native Americans are suppressed (counts < 5)

**Cumulative COVID-19 case distribution by Race and Ethnicity as of April 18, 2021
– Richmond City, VA (N = 13515)**



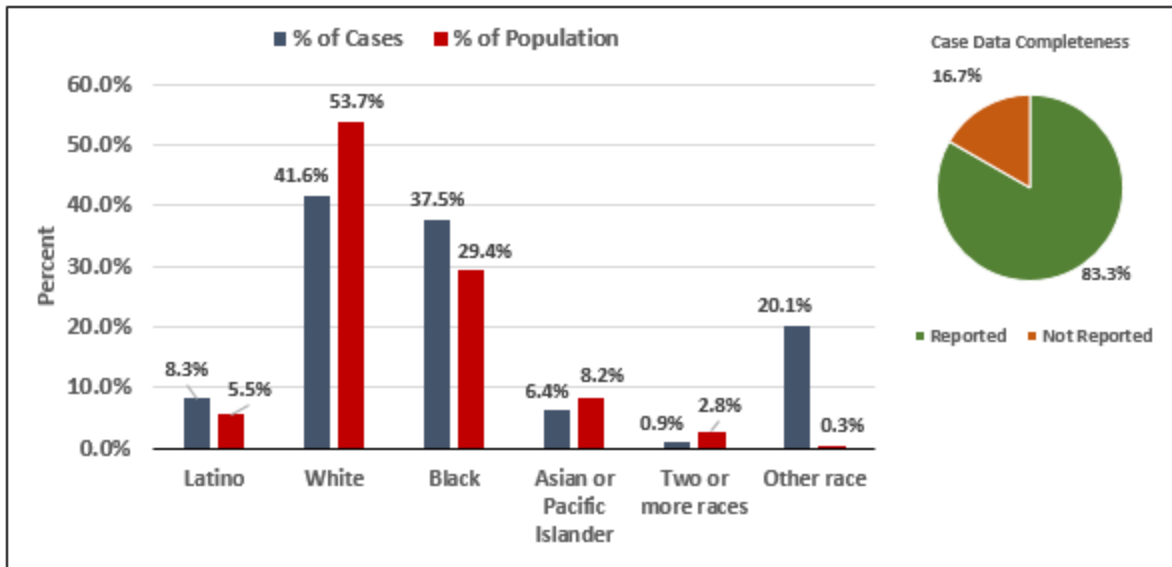
*For race/ethnicity identification among cases, "Not Reported" comprises 18.11% (n=2988).

*Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity

- In Richmond, the case burden for Black individuals over the last 4 weeks (59.5%) is disproportionately high relative to their population percentage (47.5%), while the case burden for White individuals is disproportionately low, both in the last four weeks (29.1%) and cumulatively (30.7%) relative to their population percentage (40.4%). While the cumulative case burden for Latino individuals (15.1%) is disproportionately high compared to their population percentage (6.7%), the case burden over the last four weeks for Latino individuals (5.8%) has been lower than

the population percentage. Cumulatively, individuals identifying as belonging to 'Other race' groups comprise 2.6% of the case burden, notably however, this group comprises 16.1% of cases over the past four weeks.

**COVID-19 case distribution by Race and Ethnicity in the last 4 weeks
(March 22 - April 18, 2021) – Henrico County, VA (n = 1181)**

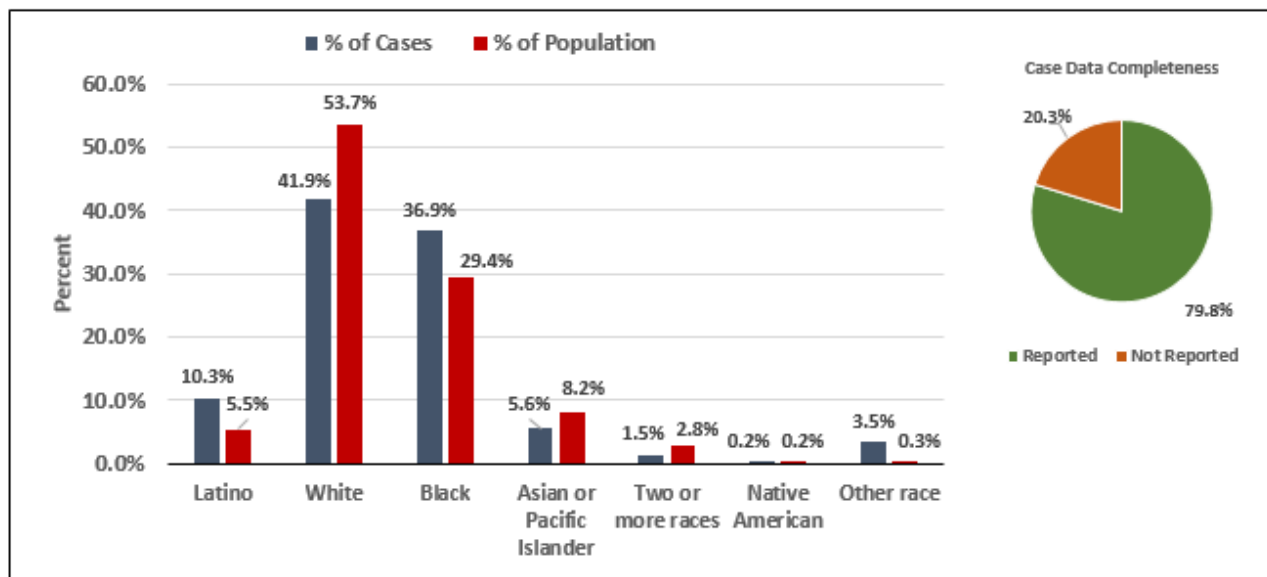


*For race/ethnicity identification among cases, "Not Reported" comprises 16.71% (n=237).

*Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity

*Cases among Native Americans are suppressed (counts < 5)

**Cumulative COVID-19 case distribution by Race and Ethnicity as of April 18, 2021
– Henrico County, VA (N = 19490)**



*For race/ethnicity identification among cases, "Not Reported" comprises 20.25% (n=4950).

*Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity

- In Henrico, the case burden for Black individuals over the last 4 weeks (37.5%) and cumulatively (36.9%) is disproportionately high relative to their population percentage (29.4%). The case burden for White individuals has been disproportionately low over the last four weeks (41.6%) and cumulatively (41.9%) relative to their population percentage (53.7%). Both the cumulative case burden for Latino individuals (10.3%) and the case burden over the past four weeks (8.3%) have been disproportionately high as compared to their population percentage (5.5%). Over the past four weeks, individuals belonging to 'Other race' groups have comprised 20.1% of cases, a burden which is disproportionately high as compared to their cumulative case burden (3.5%), along with their population percentage (0.3%).

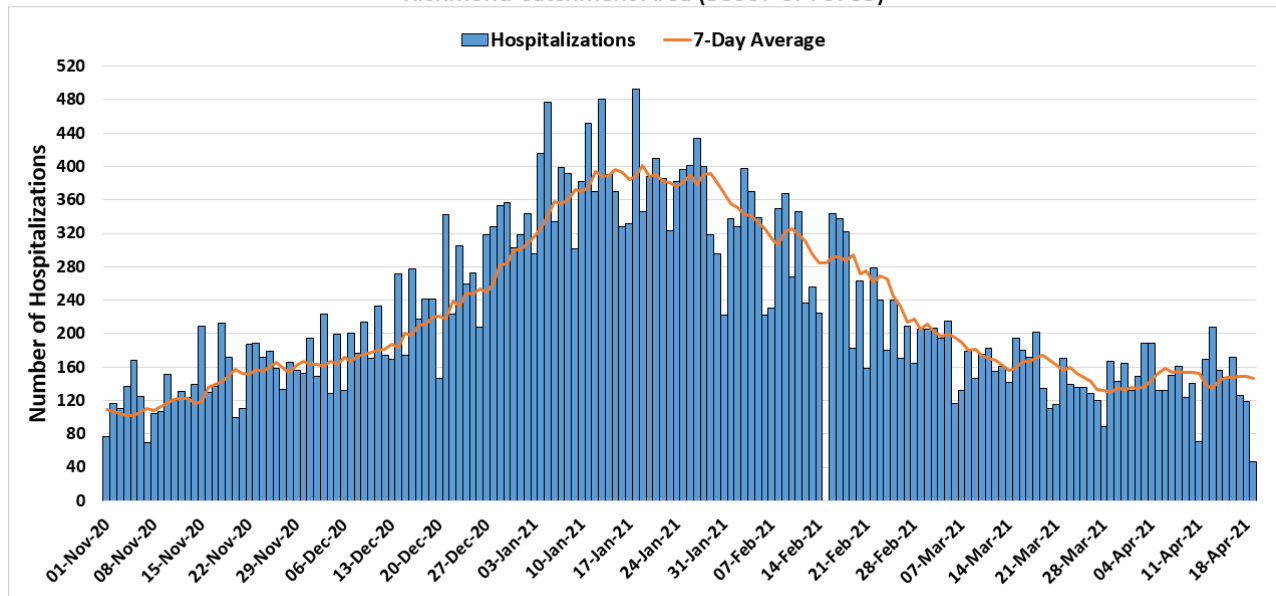
4.0 COVID-19 HOSPITALIZATIONS

4.1 SUMMARY OF HOSPITALIZATIONS

Based on VEDSS data, hospitalizations among Richmond and Henrico residents are decreasing (see [VDH Dashboard](#) for additional trend data). Looking more broadly, hospitalizations at health systems within the Richmond catchment area appear to be plateauing. ICU hospitalizations and the use of ventilators at these hospitals have increased steadily over the last week, though all 11 hospitals in the Richmond catchment area are still operating at a normal clinical status. *Hospitalizations by subgroup (sex, age, and race) are reported on a monthly basis.*

4.2 HOSPITALIZATIONS (CONFIRMED AND PENDING) BY DAY IN THE RICHMOND CATCHMENT AREA AS OF APRIL 19, 2021

Total Daily COVID-19 Hospitalizations, November 1st, 2020 – April 19th, 2021
Richmond Catchment Area (38007 of 70785)

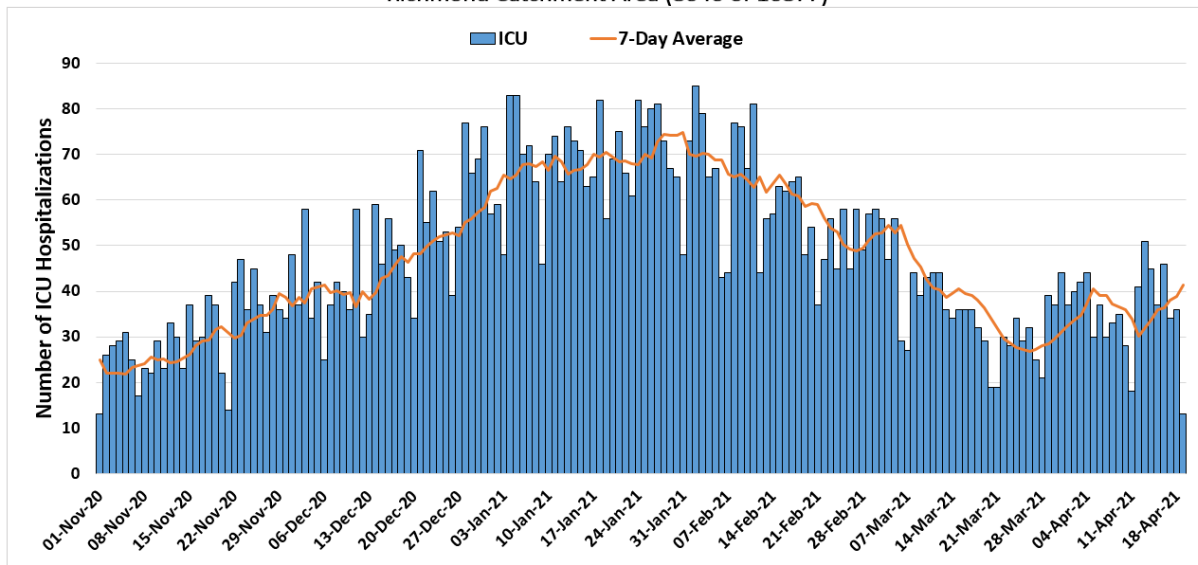


* Data points from March until October 2020 are excluded to allow for clarity in trends/patterns.

- Data from the 11 hospitals included in this analysis has shown a plateau in hospitalizations with some fluctuations from early March to the middle of April after a decrease in hospitalizations over the month of February.
- *Note: Data from February 15th, 2021 showed an erroneously high value and was subsequently omitted from the analysis. Steps are being taken to restore the quality of this data.*

4.3 ICU HOSPITALIZATIONS (CONFIRMED AND PENDING) BY DAY IN THE RICHMOND CATCHMENT AREA AS OF APRIL 19, 2021

Total Daily COVID-19 ICU Hospitalizations, November 1st, 2020 – April 19th, 2021
Richmond Catchment Area (8040 of 16877)

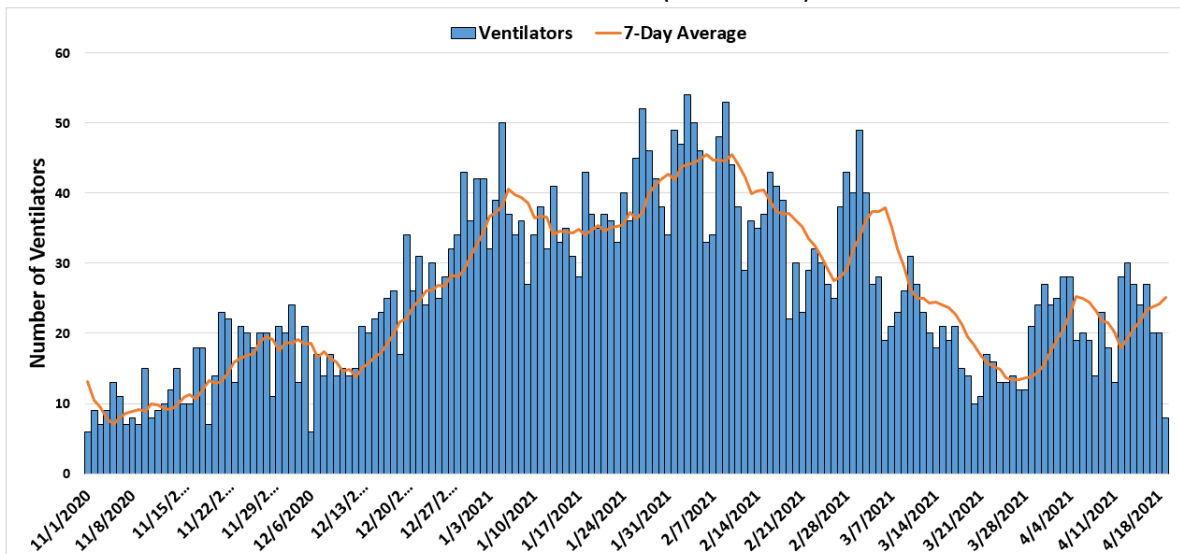


* Data points from March until October 2020 are excluded to allow for clarity in trends/patterns.

- Following a recent decrease from late February through the end of March, ICU hospitalizations have moderately increased from late March to the middle of April. This has occurred despite the lack of a commensurate increase in hospitalizations.

4.4 VENTILATOR UTILIZATIONS (PATIENTS ON VENTILATORS) BY DAY IN THE RICHMOND CATCHMENT AREA AS OF APRIL 19, 2021

Total Daily COVID-19 Ventilator Utilizations, November 1st, 2020 – April 19th, 2021
Richmond Catchment Area (4406 of 8432)



* Data points from March until October 2020 are excluded to allow for clarity in trends/patterns.

- After ventilator utilization showed major fluctuations throughout the months of January and February before a noticeable decline in utilizations over the month of March, ventilator utilizations generally appeared to have increased to a new plateau with some fluctuations from late March to the middle of April.

5.0 COVID-19 FATALITIES

5.1 SUMMARY OF FATALITIES

Current trends in COVID-19 deaths are decreasing overall, with a 7-day average of 1 in Henrico and less than 1 in Richmond according to the [VHD Dashboard](#). Please note that trends in death data are frequently impacted by a lag in reporting. *Deaths by subgroup (sex, age, and race) are reported on a monthly basis.*

6.0 VACCINATION

6.1 VACCINE SUMMARY

Richmond and Henrico Health Districts are in Phase 2 of vaccination. Anyone 16 or older is now eligible to receive the vaccine. Vaccine supply and distribution are summarized in the tables below.

As of April 19, 2021, 40% of the region's population has received at least one dose of the vaccine. Around 26.3% of the region's population has been fully vaccinated. Approximately 39% of Richmond and Henrico's combined population has received at least one dose. 25% of the two districts combined population has been fully vaccinated.

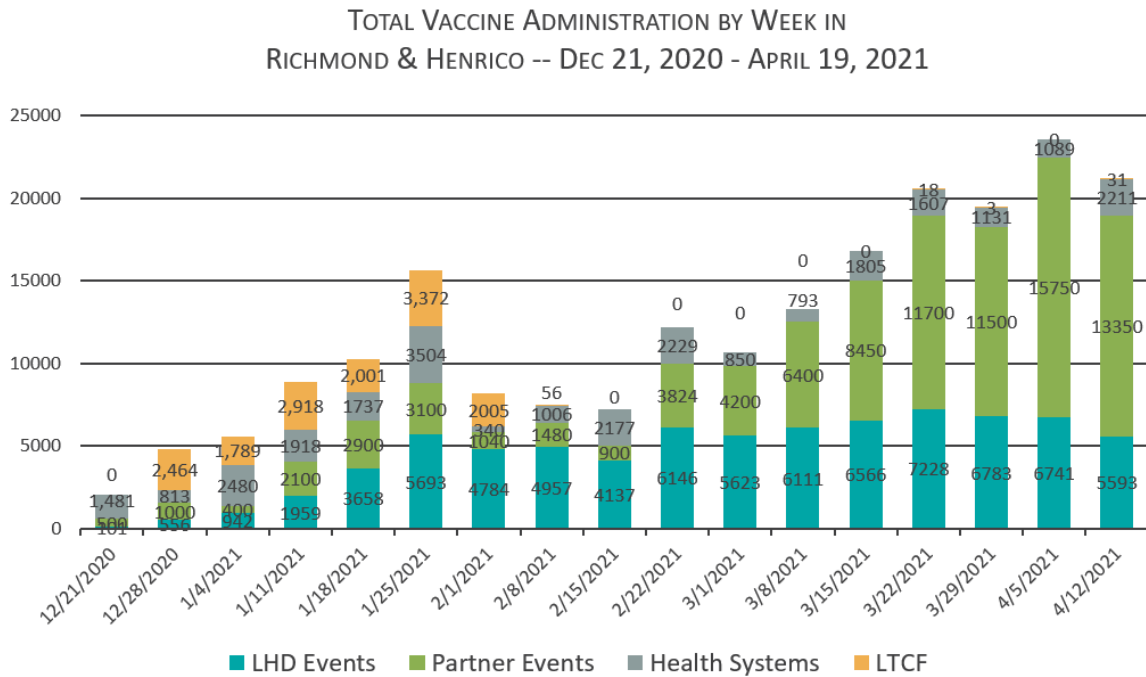
The majority of vaccine recipients in both districts have been female. The highest counts of vaccine recipients have been among 30-39 year olds in Richmond and 60-69 year olds in Henrico. Available data indicate that eligible White individuals have received the majority of the vaccine, but a large percentage of the recipients' race/ethnicity is still unreported (38% in Richmond and 35% in Henrico).

6.2 VACCINATIONS BY LOCALITY AS OF APRIL 19, 2021 - SOURCE: [VDH.VIRGINIA.GOV](https://www.vdh.virginia.gov)

HEALTH DISTRICT	LOCALITY	POPULATION	FIRST DOSES ADMINISTERED	SECOND DOSES ADMINISTERED
Chesterfield	Chesterfield	352,802	141,172	96,143
	Colonial Heights	17,428	6,019	4,078
	Powhatan	28,815	10,857	7,820
Chickahominy	Charles City	6,963	4,381	2,195
	Goochland	23,753	12,024	8,350
	Hanover	107,766	48,331	30,272
	New Kent	23,091	9,002	6,230
Henrico	Henrico	330,818	139,672	88,369
Richmond	Richmond City	226,622	78,679	51,051
Total		1,118,058	450,137	294,508

We have set a goal of vaccinating 75% of the population to reach herd immunity. First and second doses of the Pfizer vaccine must be administered at least 21 days apart. First and second doses of the Moderna vaccine must be administered at least 28 days apart. People who received the Johnson & Johnson vaccine, which is a single dose, are included in the count of first doses administered.

6.3 WEEKLY TOTALS BY VACCINATION PATHWAY FOR RICHMOND AND HENRICO - SOURCE: INTERNAL TRACKING, VIIS

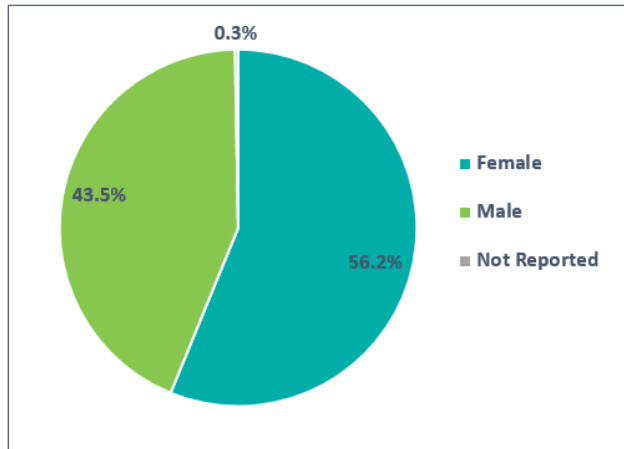


*Changes in past weeks' values reflect resolution of data quality issues.

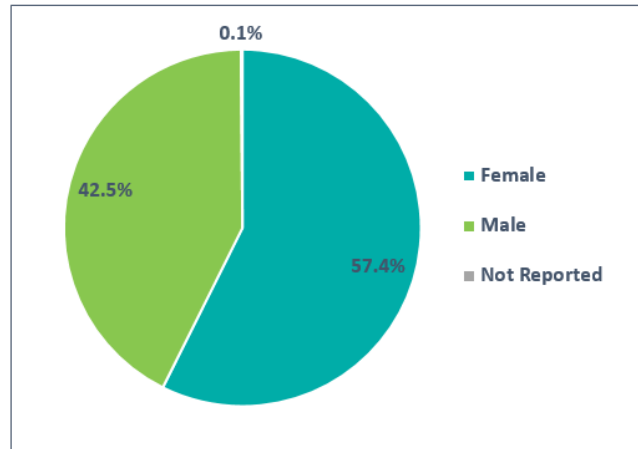
Health system totals reflect Richmond and Henrico residents who were vaccinated at one of the hospitals in the Richmond hospital catchment area - VCU Health System, Retreat Doctors', Bon Secours Community, CWJ Chippenham, CWJ Johnson Willis, Bon Secours St. Mary's, Henrico Doctors, and Parham Doctors, Bon Secours St. Francis, and Memorial Regional Medical Center. VA Medical Center is included in the COVID-19 hospitalization section of this report but vaccination data for this hospital is not yet available in VIIS.

6.4 VACCINE DISTRIBUTION BY DEMOGRAPHIC SUBGROUP - SOURCE: VIIS

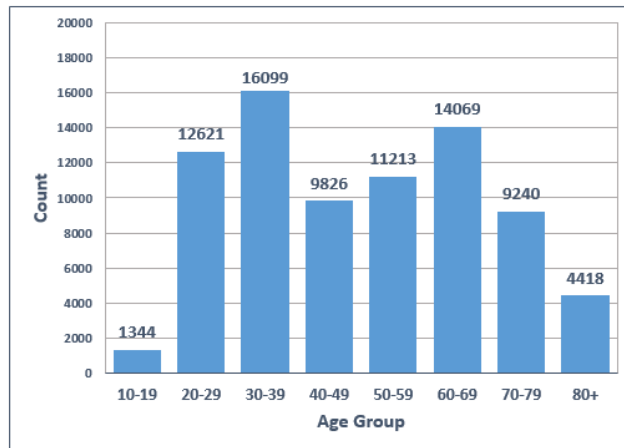
Total Vaccine Recipients by Sex in Richmond
-- April 19, 2021 (N = 78830)



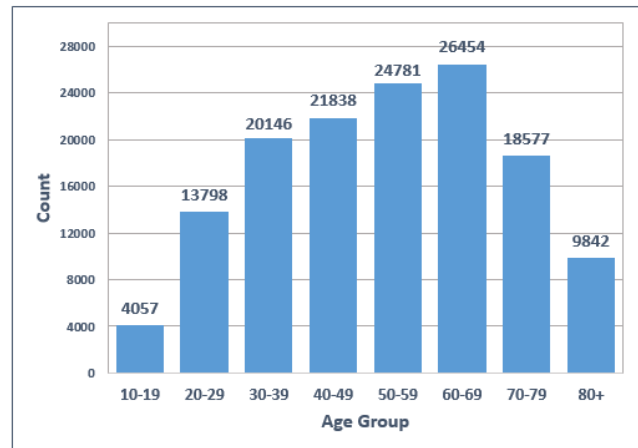
Total Vaccine Recipients by Sex in Henrico
-- April 19, 2021 (N = 139493)



Total Vaccine Recipients by Age Group in Richmond
-- April 19, 2021 (N = 78830)

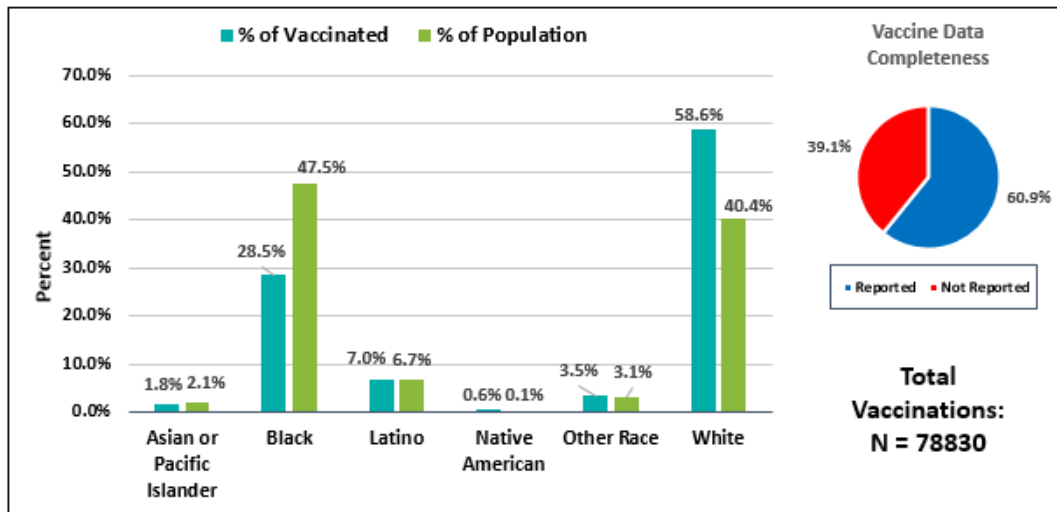


Total Vaccine Recipients by Age Group in Henrico
-- April 19, 2021 (N = 139493)



The following charts compare the percentage breakdown of racial or ethnic identification of vaccinated individuals to the expected percentage breakdown of the racial or ethnic identification of the population. A notable discrepancy can be seen when looking at Black individuals, who comprise 47.5% of the Richmond population and 29.4% of the Henrico population yet only 28.5% of vaccine recipients in Richmond and 19.8% of vaccine recipients in Henrico.

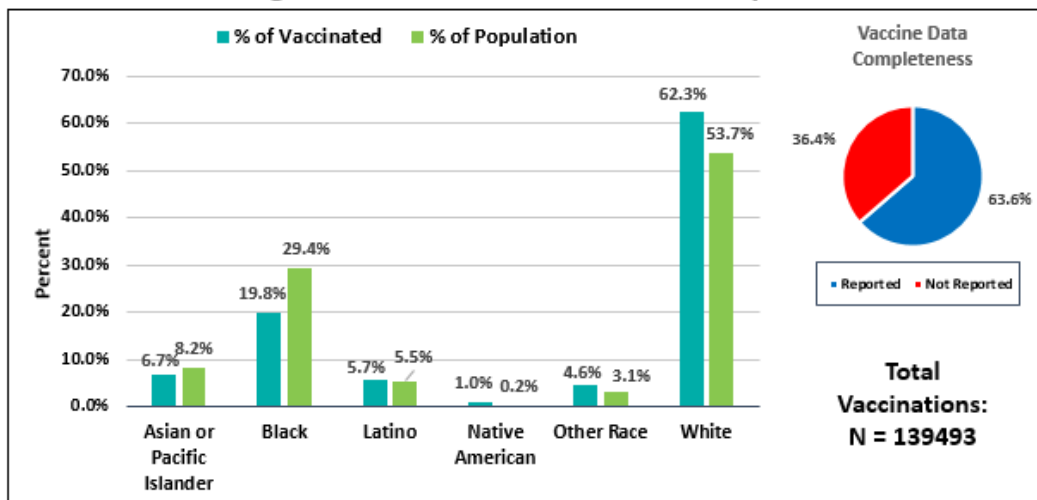
Vaccine Recipients vs. Population by Race/Ethnicity Percentages in Richmond – Dec 15, 2020 to Apr 19, 2021



*For race/ethnicity of vaccine recipients, "Not Reported" comprises 39.1% (n=30854).

*Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity.

Vaccine Recipients vs. Population by Race/Ethnicity Percentages in Henrico – Dec 15, 2020 to Apr 19, 2021

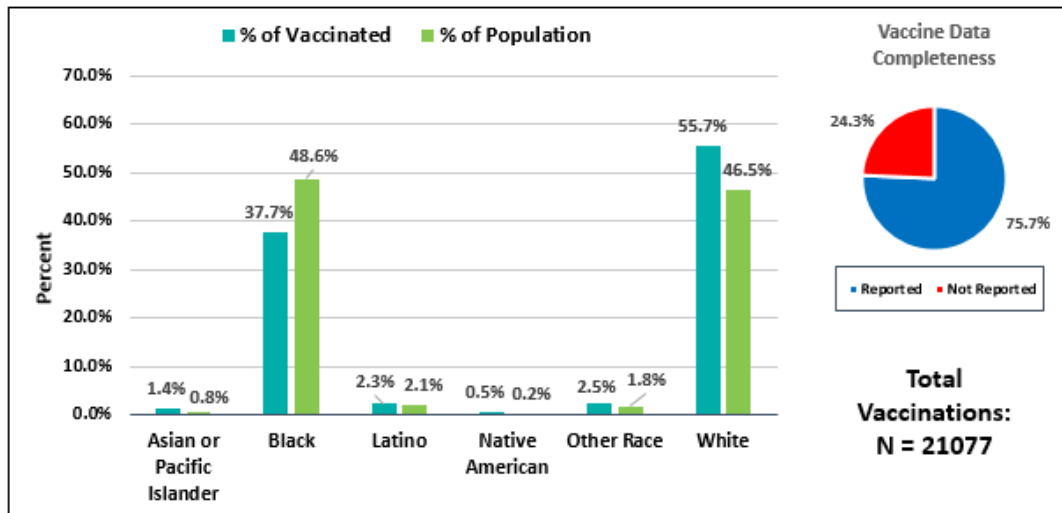


*For race/ethnicity of vaccine recipients, "Not Reported" comprises 36.4% (n=50755).

*Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity.

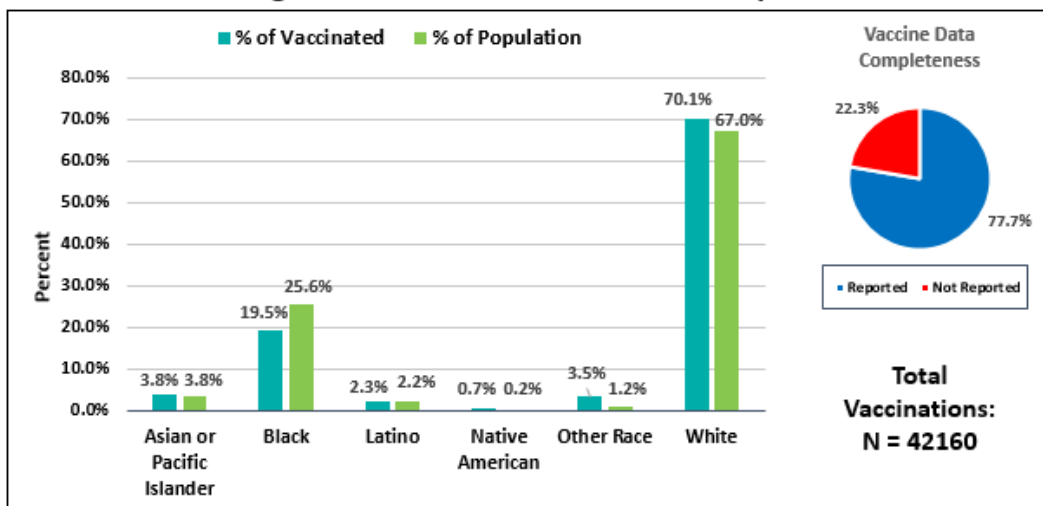
The figures below compare the percentage breakdown by race and ethnicity specifically for individuals 65 and over. In Richmond City, Black individuals comprise 48.6% of the population of those aged 65 years and older, yet make up only 37.7% of vaccine recipients. This discrepancy can also be noted in Henrico, where Black individuals make up 25.6% of the population, yet thus far have only comprised 19.5% of vaccine recipients.

Vaccine Recipients vs. Population 65 and Over by Race/Ethnicity Percentages in Richmond – Dec 15, 2020 to Apr 19, 2021



*For race/ethnicity of vaccine recipients, "Not Reported" comprises 24.3% (n=5481).
*Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity.

Vaccine Recipients vs. Population 65 and Over by Race/Ethnicity Percentages in Henrico – Dec 15, 2020 to Apr 19, 2021



*For race/ethnicity of vaccine recipients, "Not Reported" comprises 23.9% (n=10097).
*Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity.

7.0 APPENDIX

7.1 CENSUS POPULATION ESTIMATES BY AGE AND RACE--RICHMOND CITY AND HENRICO COUNTY

Richmond City Population Estimates by Age and Race, as of July 1, 2018 (N=228,783)					Henrico County Population Estimates by Age and Race, as of July 1, 2018 (N=329,261)				
Age group (Years)	LATINO	NH WHITE	NH BLACK	NH OTHER	Age group (Years)	LATINO	NH WHITE	NH BLACK	NH OTHER
0-9	3807	6375	13310	1232	0-9	3764	17467	11946	6531
10-19	2282	6587	13047	1554	10-19	3464	18739	13872	5470
20-29	3417	21968	18657	3146	20-29	2870	19249	15019	5142
30-39	2817	19613	14235	1897	30-39	3360	22298	13542	7601
40-49	1901	10191	10525	831	40-49	2608	22194	12532	5766
50-59	1129	10805	14747	690	50-59	1696	25701	13509	3338
60-69	525	10589	13292	574	60-69	819	23639	10596	2368
70-79	218	5457	5866	271	70-79	391	14553	5349	1147
80+	79	3599	3369	181	80+	174	9618	2487	442